



A.D. 1864, 23rd June. N° 1571.

SPECIFICATION

OF

JOSEPH TIRAT.

NEW APPARATUS FOR THE RELIEF OF HERNIA.

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:
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1864.



A.D. 1864, 23rd JUNE. N° 1571.

Voltaic Apparatus for the Relief of Hernia.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Joseph Tirat at the Office of the Commissioners of Patents, with his Petition, on the 23rd June 1864.

I, JOSEPH TIRAT, Doctor of Medicine of the Faculty of Paris, residing at 5 No. 12, Russell Place, Fitzroy Square, in the County of Middlesex, do hereby declare the nature of the said Invention for “A NEW VOLTAIC APPARATUS FOR THE RELIEF OF HERNIA IN ALL ITS FORMS AND STAGES,” to be as follows :—

The apparatus is composed of two voltaic piles composed of discs placed one 10 above the other when a voltaic current is kept up by means of alkaline salts introduced by means of a tube into the piles. The zinc discs are moveable, and are so inserted into the copper discs that the voltaic current can be increased or diminished at pleasure by means of multiplying wires. The entire apparatus is enclosed in a morocco belt or pocket lined with flannel. 15 The belt or pocket has an internal and external surface ; the internal is intended to be placed horizontally or otherwise upon the surface of the body by means of the rupture bandage. It gives room for the two copper wires which unite the positive and negative poles of the piles within the belt or pocket. The two other extremities of these wires are attached to two copper 20 buttons placed in the interior of the cushion of the rupture bandage, and by this means it conveys the voltaic current developed by the piles.

The same apparatus containing the piles and the same mechanism may be used as a waistband, corset, bracelet, knee cap, and may be applied to any

Tirat's New Voltaic Apparatus for the Relief of Hernia.

part of the body, and a continuous voltaic current can be communicated to the internal surface of the apparatus by means of two copper buttons or strips of copper, which serve as conductors, conveying the current to that part of the body upon which the apparatus is placed. The apparatus varies in size, and according to its intended application and the intensity of the voltaic current it may be desired to be obtained.

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Printers to the Queen's most Excellent Majesty. 1864.